AUTHOR INDEX

Alpert, M., 326
Andrews, Jean M., 283
Benditt, Earl P., 114, 315, 321
Bensley, R. R., 179
Berg, J. W., 436
Bergner, A. Dorothy, 405
Bonner, J., 254
Burtner, Helen J., 8, 87, 154
Chessick, R. D., 471
Chiquoine, A. D., 429
Clayton, B. P., 336
Cohen, B. S., 405
Cooperstein, S. J., 234
Cowdry, E. V., 183, 276
Davies, J., 447
Davis, John C., 123
Deane, Helen Wendler, 283
Dondero, N. C., 415
van Duijn, P., 143
Farquhar, Marilyn G., 93
Fawcett, Don W., 47
French, J. E., 315, 321
Glick, David, 1, 326
Gomori, G., 114, 469, 493
Green, D. M., 160
Halmi, N. S., 447
Harris, Charles, 405
Hartman, Philip E., 123
Henson, J. P. Greco, 154
Johansen, Gordon, 442
Kugler, Otto, 296
Lang, K. Linderstrøm, 442
Lazarow, A., 234
Levenbook, L., 242
Lillie, R. D., 8, 87, 154, 353
Linderstrøm-Lang, K., 442
Lionetti, Fabian, 486
Lowry, O. H., 420
McNary, William F., 486
Mager, Milton, 486
Meyer, Julia, 305
Millerd, Adele, 254
Mudd, Stuart, 123, 248
Nadel, E. M., 362
Noe, Elsie, 27
Palade, C. E., 188
Pearse, A. G. Everson, 460
Podber, Estelle, 27
Poppen, K. J., 160
Rinehart, James F., 93
Rutenberg, Alexander M., 66
Ryan, Jean, 27
Schneider, W. C., 212
Scott, H. R., 336
Seligman, Arnold M., 66
Stecklein, Helen R., 326
Tandler, C. J., 151
Van Duijn, P., 143
Wattenberg, Lee W., 1
Weinman, J. P., 305
Weiss, Leon Paul, 47
Winterscheid, Loren C., 123
Wolman, Moshe, 66
Wrenn, H. T., 160
Zelle, M. R., 415
Zorzoli, Anita, 362

SUBJECT INDEX

Acid-fastness as histochemical test, 436
Aldehyde-fuchsin, and Schiff reagent, 336
Adrenal, cow, β-glucuronidase in, 1
Aldehyde-fuchsin, periodic acid Schiff, and metachromasia, 447
Alkaline phosphatase, (*see* Phosphatase, Alkaline)
Announcements, 85, 141, 280
L-Ascorbic acid, determination, 326
Ashbel-Seligman reaction, mouse ovary lipids, 283
Bacteria, mitochondria of, 248
Basic dyes, effect of proteins on staining by, 321
Bone, alkaline phosphatase, 362
Brain, quantitative histochemistry, 420
Calcium phosphate, precipitation in alkaline phosphatase method, 114, 442
Carbonyl reaction, mouse ovary lipids, 283
Chloroacyl esters as histochemical substrates, 469
Cholinesterase, histochemical and manometric techniques compared, 405
Cobalt acetate, in acid phosphatase technic, 151
Collagen, periodic-Schiff reaction, 353
Connective tissue, (*see also* Collagen)
  effect of proteins on staining of mucopolysaccharides, 315
  use of enzymes as histochemical reagents, 321

Cystine, demonstration by the alkaline tetrazolium method, 460
Dehydro-L-ascorbic acid, determination plus diketo-L-gulonic acid, 326
Diazo-safranin for staining enterochromaffin, 154
Dithizone reaction for zinc, 486
Dopa factor, inactivation experiments on, 143
Electron microscopy, 93, 188
  of ant. pit., 93
  of mitochondria, 188
Enterochromaffin, diazo-safranin staining, 154
Enzymes, as histochemical reagents, 315
Esterase, distribution, 471
Ferric ferricyanide, substances reducing to Prussian blue, 87
Fine structure, mitochondria, 188
Giant cells, chicken, in tissue culture, 47
β-Glucuronidase, microgram determination, distribution, cow adrenal, 1
Glycogen and potassium, localization in heart, 160
Histochemical titles from current literature, 82, 138, 174, 278, 401, 507
Hypophysis, electron microscopy, 93
Janus green staining of mitochondria, basis of, 234
Kidney, glucose-6-phosphatase, 429
Leucocytes, neutrophil, human, sudanophilia of, 8
Lipid, in mouse ovary, 283
Liver, rat, cytoplasmic particle heterogeneity, 27
Liver, glucose-6-phosphatase, 429
Macrophages, chicken, in tissue culture, 47
Melanin and dopa factor, 143
Metachromasia, aldehyde fuchsin, and periodic-Schiff reaction, 447
Mitochondria, 123, 179, 188, 212, 234, 242, 248, 254
  bacterial, 123, 248
  biochemical constitution, 212
  fine structure, 188
  insect flight muscle, 242
  Janus green reaction, 234
  plant, 254
  Salmonella typhosa, 123
  symposium on, 179
Monocytes, chicken, in tissue culture, 47
Mucopolysaccharides, effect of proteins on staining, 321
Muscle, insect flight, mitochondria, 242
Mycobacteria, acid fastness as histochemical test, 436
Myeloid elements, oxidative reactions, 493
Nucleic acids, in bluegill oocytes, 296
Oocytes, bluegill, alkaline phosphatase and nucleic acids, 296
Oral tissues, phosphamidase, 305
Ovary, mouse, lipid in, 283
Oxidase, human leucocytes, 8
Oxidative reactions, myeloid elements, 493
Periodic-Schiff reaction, 336, 353, 447
  aldehyde fuchsin and metachromasia, 447
  and aldehyde fuchsin, 336
  of collagen, 353
Peroxidase, human neutrophil leukocytes, 8, 486
Phosphamidase in tissues of oral cavity, 305
Phosphatase, 114, 151, 296, 362, 429, 442
  acid, use of cobalt acetate in technic for, 151
  alkaline, 114, 151, 296, 362, 460
  diffusion of calcium in technic for, 442
  in bluegill oocytes, 296
  in bone, 362
  precipitation of calcium in technic for, 114, 442
Pituitary gland, anterior, rat, electron microscopy, 93
Plants, mitochondria, 254
Potassium and glycogen, localization of, 160
Proceedings of the Histochemical Society, speaker index, 400
Proceedings of the Histochemical Society, 372–400
Proteins, effect on staining with basic dyes, 321
Salmonella typhosa, mitochondria, 123
Schiff reaction, mouse ovary lipids, 283
Schiff reaction (*see also* Periodic acid-Schiff reaction)
Schiff reagent, comparison to aldehyde fuchsin, 336
Scurvy, alkaline phosphatase in bones, 362
Succinic dehydrogenase, technic, and distribution in mammals, 66
Sudanophilia, stable, of human neutrophil leukocytes, 8
Symposium: The structure and biochemistry of mitochondria, 179–276
Tetrazolium, in cystine method, 460
Tissue culture, histochemistry of chicken histiocytes in, 47
Zinc, histochemical detection, 486